



Advanced Consequence Management

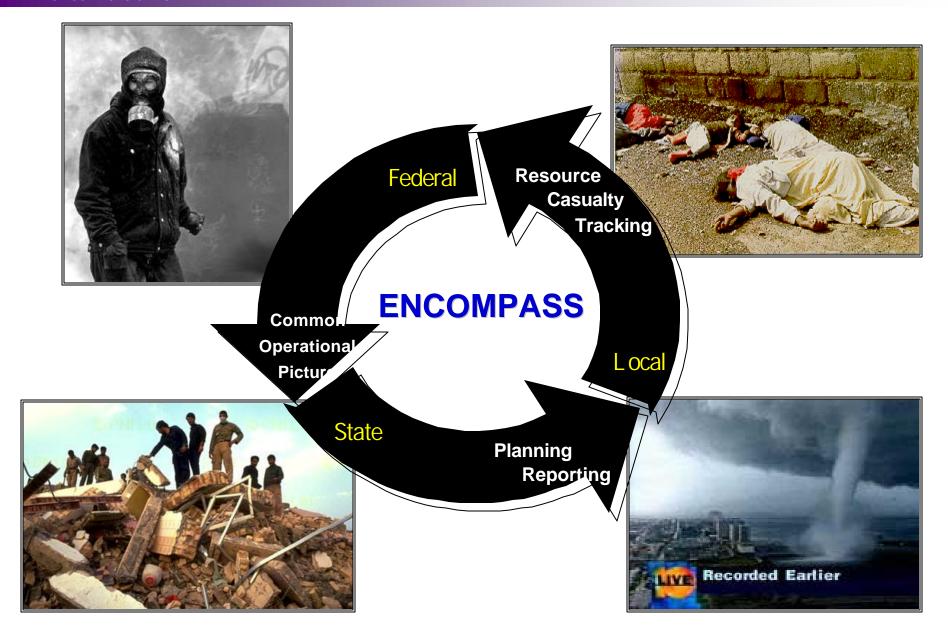
Enhanced Consequence Management Planning And Support System (ENCOMPASS)

Kurt Henry, M.D.

Program Manager
Defense Sciences Office



A Unified Response to Terrorist & Humanitarian Events





What is ENCOMPASS?

- A computer-based program that assists in disaster and patient information management
- Consists of several software components that can function as a unit or independently
 - Based on the needs of the individual user
- Provides Incident Commanders and First Responders with a common operational picture of the scene including:
 - Fast-time updates
 - The location and identification of resources and personnel
 - Situational Awareness: Forward responders actively collect data p automatically fed into a database p picture of the scene



ENCOMPASS Provides

- Planning: preparation need that all decision makers require whether as standard operating procedures (SOP) or a checklist of requirements.
- Resource & Casualty Tracking: ability to know the location of all casualties, responders, equipment and supplies that are necessary in controlling the event
- Documentation of multiple events simultaneously
- Incident accountability

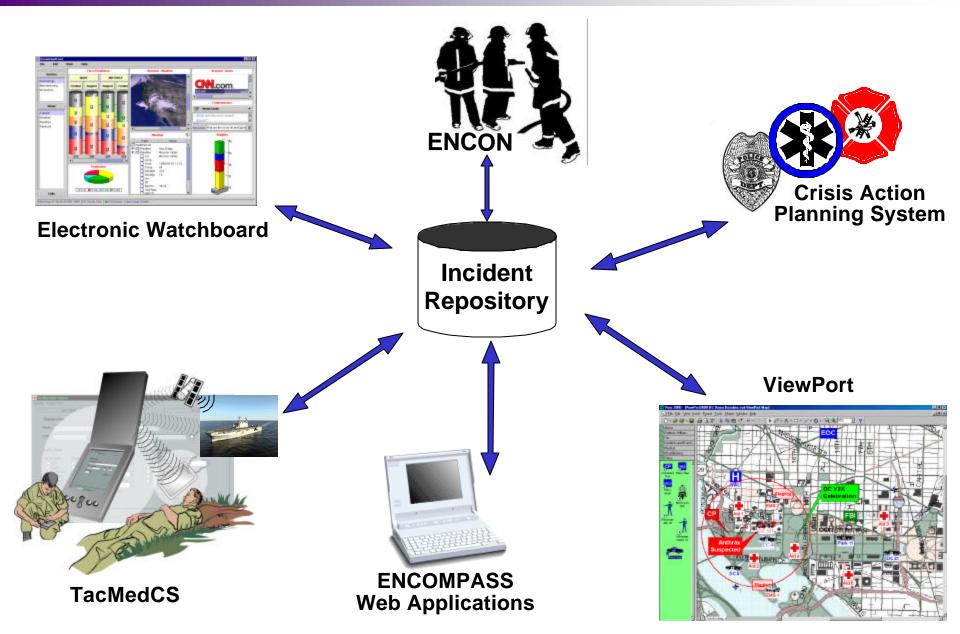


System Highlights

- Enhanced communication between hospitals and operation centers
- Fast-time casualty tracking
- Fast-time hospital reroute status
- Web-based components
 - Application Service Provider (ASP) model
- Sharing of treatment protocols
- After action reporting capability

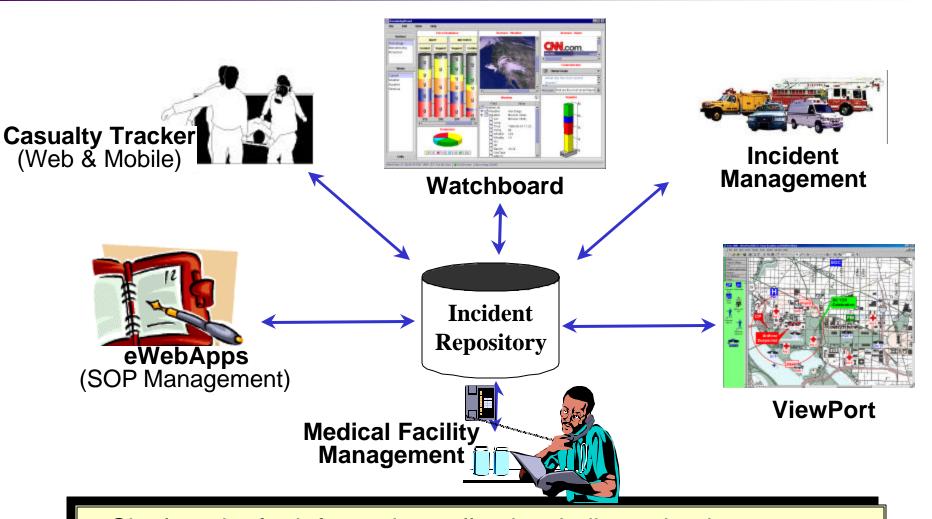


Incident Command Management System





ENCOMPASS Repository



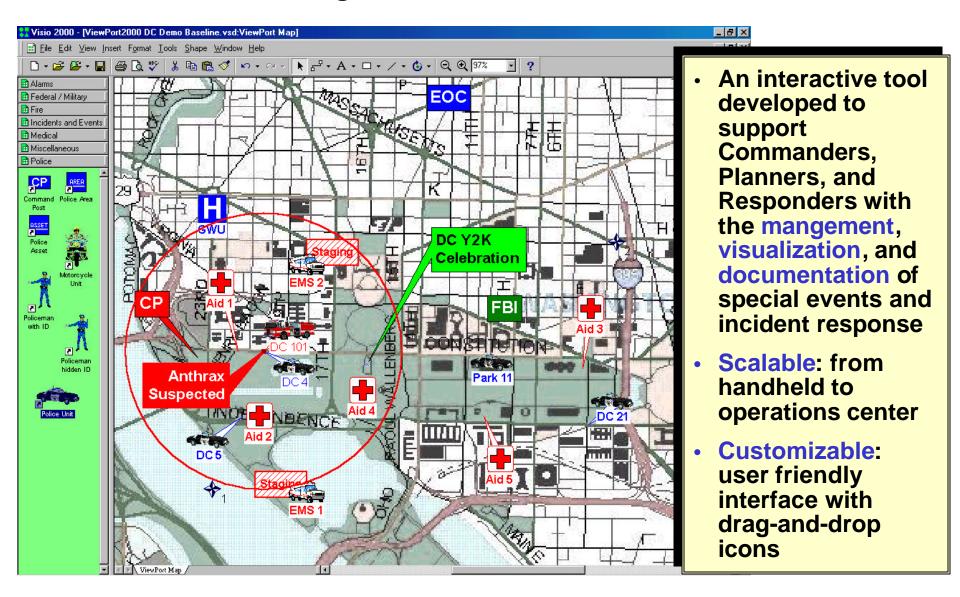
- Single point for information collection & dissemination
- Improved processing speed
- Data sharing across components



ViewPort

DEFENSE SCIENCES OFFICE

Event Management & Resource Visualization

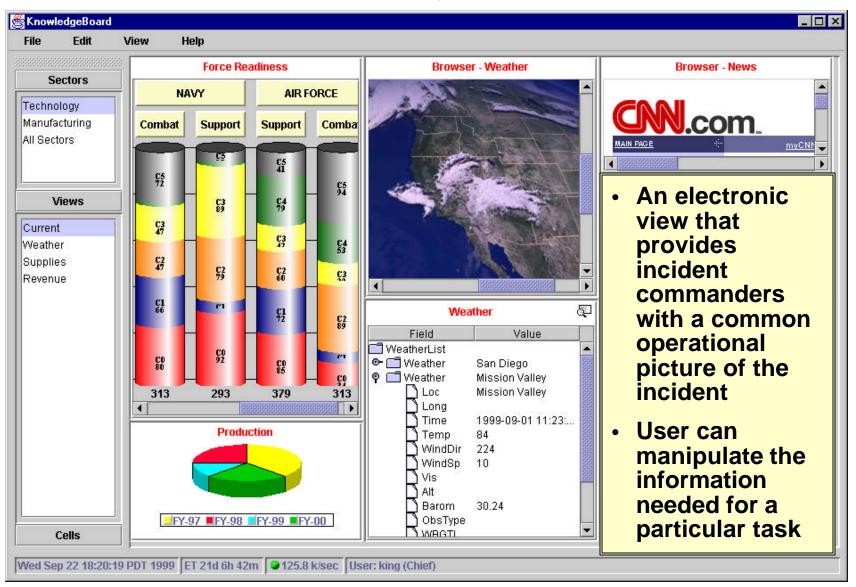




WatchBoard

DEFENSE SCIENCES OFFICE

Information Collection, Visualization & Fusion





Web Applications (eWebApps)

- Incident Management
- Casualty Management
 - Casualty Tracker (Palm)
- Medical Facility Management
- Playbook 2000
- Emergency Contacts
- System Administration



eWebApps: Incident Management

DEFENSE SCIENCES OFFICE

Incident Name:



FIRE sp0426
BOMB FS 0426 Incident
FLOOD SP25th
FIRE CM4
FIRE CM2
FIRE CM1 office
BOMB CALL 0421tst
FIRE FS 0421-1300
FIRE tfs0420
COLLISION 0420 0840
Texas Fire Incident
GUNSHOTS 0413-0256
Chemical bomb
Dulles Airport Chemical Spi
Chemical Plant Spill

Incident

Incident Name:	Dulles Airport Chemical Spill		
Start Timestamp:	12-APR-2000 10:51pm		
End Timestamp:	_		
Incident Location:	Dulles International Airport		

- Create/update incident record
- View log of significant events
- Integrated with ViewPort, Watchboard

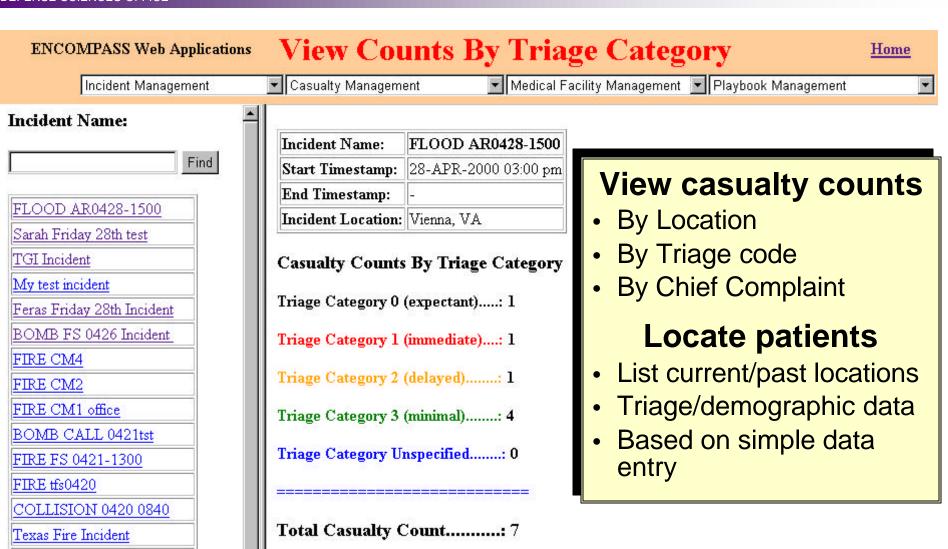
Incident Log

Event Timestamp	Event		
21-APR-2000 01:04:24pm	The status of the Checklist Item: (another ad hoc item) in checklist: (Fire in Herndon) has changed to (Unknown) updated by (WEBTOGO).		
21-APR-2000 01:04:24pm	The status of the Checklist Item: (another ad hoc item4) in checklist: (Fire in Herndon) has changed to (Unknown) updated by (WEBTOGO).		
21-APR-2000 01:04:23pm	The status of the Checklist Item: (Ad hoc checklist item - not in template) in checklist: (Fire in Herndon) has changed to (Completed) updated by (WEBTOGO).		
21-APR-2000 01:04:23pm	The status of the Checklist Item: (Ad hoc checklist item - not in template) in checklist: (Fire in Herndon) has changed to (Not Applicable) updated by (WEBTOGO).		
21-APR-2000 01:04:23pm	The status of the Checklist Item: (Ad hoc checklist item - not in template) in checklist: (Fire in Herndon) has changed to (Not Applicable) updated by (WEBTOGO).		
21-APR-2000 01:04:23pm	The status of the Checklist Item: (Ad hoc checklist item - not in template) in checklist: (Fire in Herndon) has changed to (Completed) updated by (WEBTOGO).		



DEFENSE SCIENCES OFFICE

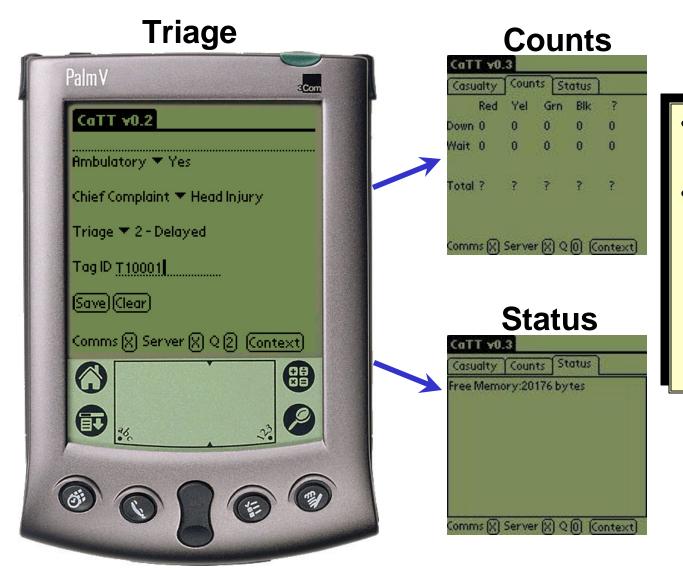
Riot At IMF





DEFENSE SCIENCES OFFICE

Field Casualty tracking in the palm of your hand



- Supports wireless modem
- Communications Savvy
 - Sends data if network is up
 - Stores and forwards as needed



eWebApps: Facility Tracker

🛚 🔆 🕮 🗗 💋

(€**(3) (3) (3) (3) (3) () (3) () (3) () () () () () () () () () () () (**

DEFENSE SCIENCES OFFICE

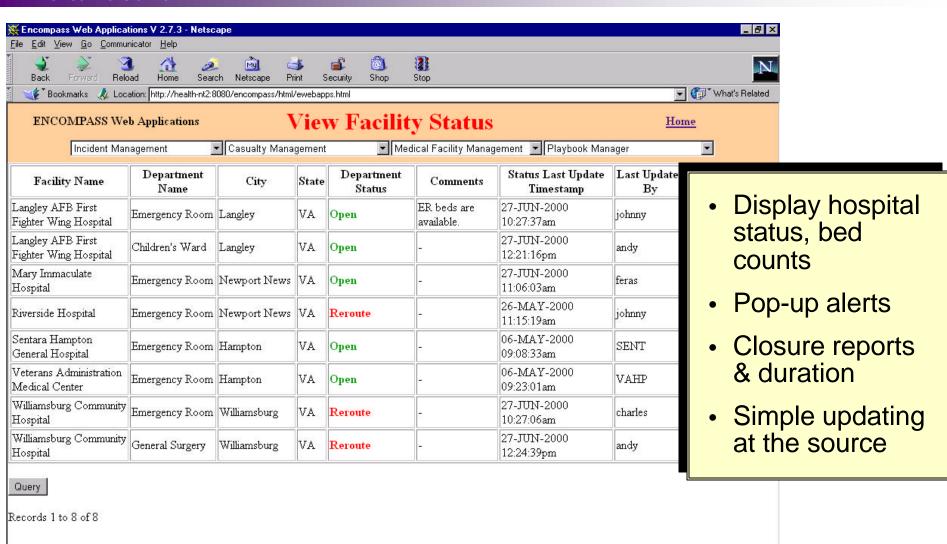
₽ =0>

Start | Minbox - Netscape F...

Document: Done

Exploring - C:\My ...

Microsoft PowerPo... Encompass W...



Exploring - C:\ctemp

DEFENSE SCIENCES OFFICE

Incident

Incident Name:	HAZMAT 050200-1524		
Start Timestamp:	02-MAY-2000 03:24pm		
End Timestamp:	-		
Incident Location:	DC Beltway - Rt 66 Westbound ramp		

- Create/Manage Checklists
- Manage Playbooks (groups of related checklists)
- Activate a Playbook or Checklist for an Incident
- Manage Incident Response Checklists (view/update incident status)

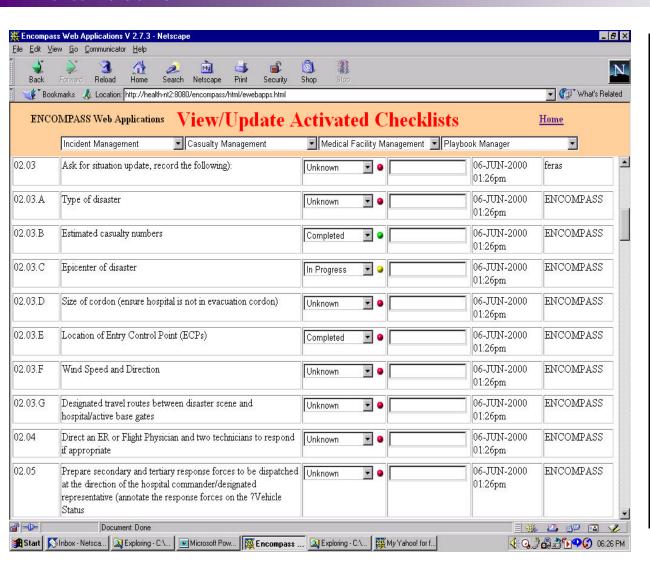
Activated Checklists

Checklist Name	Description	Role	Status	Last Updated Timestamp	Last Updated By
Control Perimeter	Security forces required to secure area - entry and egress		Completed	02-MAY-2000 03:40pm	hazmat
Contain spill	Containment of hazardous material - general	Hazmat Certified Officer	Unknown	-	hazmat
Mass Evacuation	Activated because of risk to Mall	Incident Commander	In Progress	02-MAY-2000 03:41pm	hazmat



eWebApps: Active Checklists

DEFENSE SCIENCES OFFICE



Checklists

- Reference for Standard Operating Procedures
- Event record for review, training, and legal purposes
- Provide assistance in situations beyond responder experience
- Progress verification via distributed communication

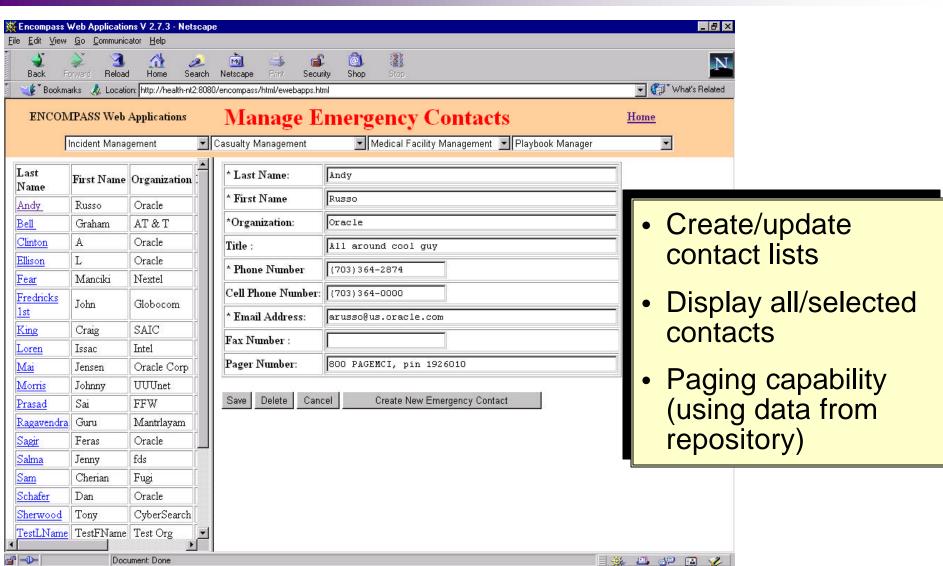


eWebApps: Emergency Contact Mgmt

DEFENSE SCIENCES OFFICE

Netscape F.,

Exploring - C:\My_...

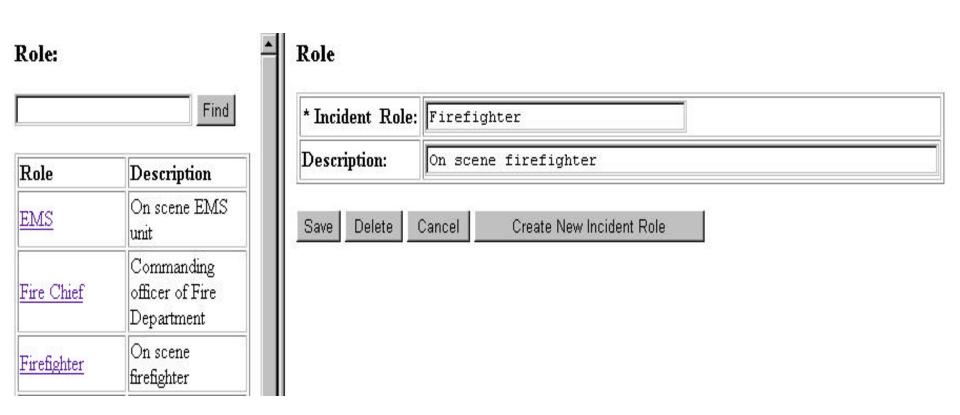


. Microsoft PowerPo... Encompass W.... 🔍 Exploring - C:\ctemp



eWebApps: System Administration

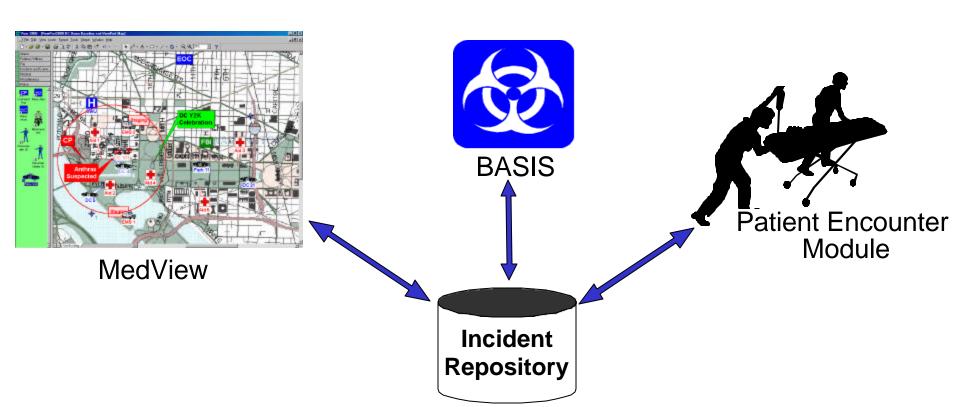
DEFENSE SCIENCES OFFICE



Allows users to customize incidents, organizations & roles



DARPA-Syndromic Surveillance System (D-S³)

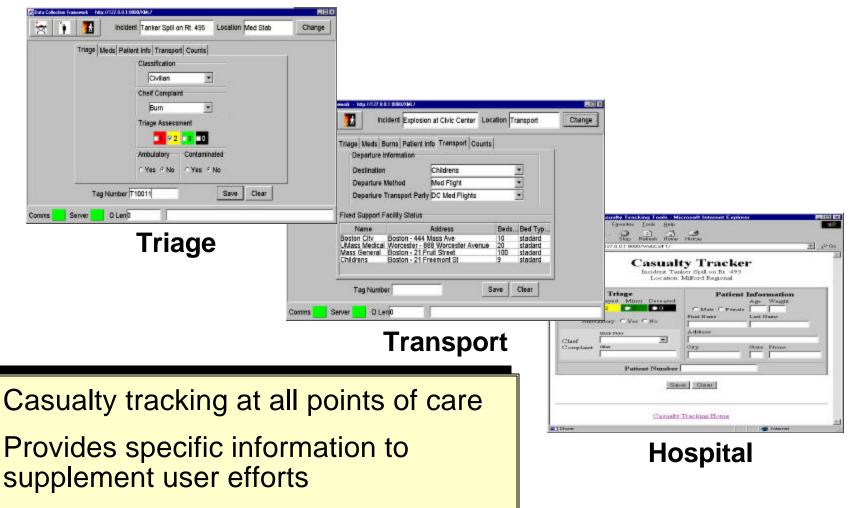




Patient Encounter Module

DEFENSE SCIENCES OFFICE

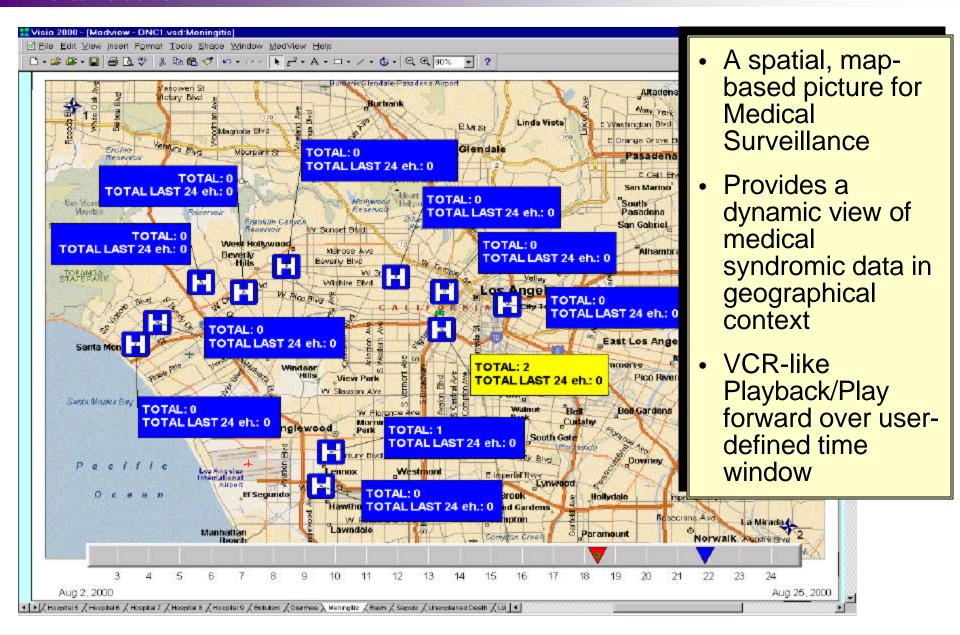
Casualty & Responder Tracking



 Hospital status, casualty counts, responder and unit locations

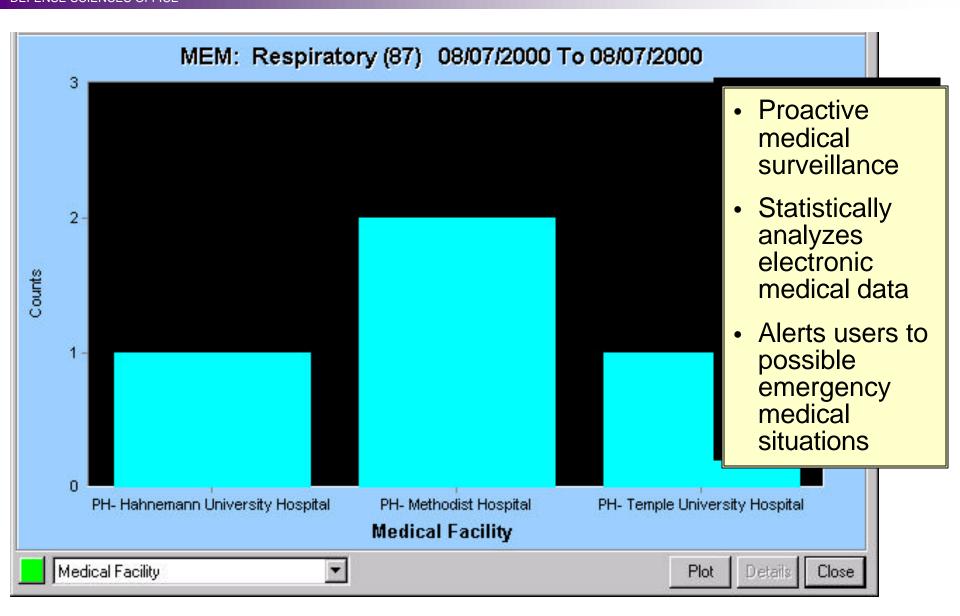


MedView





Biological Agent Symptomatology Information System (BASIS)





D-S³ in the Field

